

## OIB - C-130 Hercules 11/06/13 Science Report

**Date:** Wednesday, November 6, 2013

**Mission:** OIB

**Mission Location:** Thule, Greenland

**Mission Summary:**

LVIS, LVIS-GH C130 OIB N Central Gap Flight

Today's flight was North Central gap. This repeated several flight lines flown by the P3 in the Spring, including portions of two ICESat tracks and two cross country transects. We also flew existing OIB grid lines on the west coast to transit to/from line start. Takeoff was delayed a little in order to allow the plexiglass window beneath LVIS to be rotated and so move the problem area of the window out of the way of the laser swath. This appeared to be successful - no new swath energy drop outs on LVIS. However, one appeared today within the LVIS-GH swath - plan is to check that window before the next flight.

Weather was clear on all of the flight lines, except the northernmost ~half of the ICESat lines. We turned early to minimize time over clouds. Both LVIS's operated normally, as did the cameras.

LVIS 60GB

LVIS GH 300GB

LVIS POS/AV 10GB

LVIS CAMERA 120 GB

**Submitted by:** Michelle Hofton on 11/06/13

**File:**

 [lvls\\_NCcentral\\_20131106.pdf](#)

**Related Flight Report:**

### C-130 Hercules 11/06/13

**Flight Number:** 5

**Payload Configuration:** LVIS

**Nav Data Collected:** No

**Total Flight Time:** 7.3 hours

**Submitted by:** Mike Cropper on 11/06/13

**Flight Segments:**

<b>From:</b>	BGTL	<b>To:</b>	BGTL
<b>Start:</b>	11/06/13 12:55 Z	<b>Finish:</b>	11/06/13 20:10 Z
<b>Flight Time:</b>	7.3 hours		
<b>Log Number:</b>	<a href="#">141001</a>	<b>PI:</b>	Michael Studinger
<b>Funding Source:</b>	Bruce Tagg - NASA - SMD - ESD Airborne Science Program		
<b>Purpose of Flight:</b>	Science		
<b>Comments:</b>	Next flight scheduled for 11/8/13.		

**Flight Hour Summary:**

	131001	141001
<b>Flight Hours Approved in SOFRS</b>	100	
<b>Flight Hours Previously Approved</b>		52.5
<b>Total Used</b>	47.5	90.7
<b>Total Remaining</b>		-38.2

**141001 Flight Reports**

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">11/06/13</a>	5	Science	7.3	7.3	45.2	

<a href="#">11/08/13</a>	6	Science	7.7	15	37.5
<a href="#">11/09/13</a>	7	Science	7.8	22.8	29.7
<a href="#">11/12/13</a>	8	Science	5.4	28.2	24.3
<a href="#">11/14/13</a>	9	Science	7.4	35.6	16.9
<a href="#">11/15/13</a>	Return transit, leg 1	Transit	8.5	44.1	8.4
<a href="#">11/15/13</a>	Return transit, leg 2	Transit	1.1	45.2	7.3

**Source URL:** [https://airbornescience.nasa.gov/science\\_reports/OIB\\_-\\_C-130\\_Hercules\\_11\\_06\\_13\\_Science\\_Report#comment-0](https://airbornescience.nasa.gov/science_reports/OIB_-_C-130_Hercules_11_06_13_Science_Report#comment-0)

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

NASA Official: Bruce A. Tagg

*Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.*

#### 131001 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">09/27/13</a>	FCF / ECF #1	Check	2	2	98	
<a href="#">10/26/13</a>	PCF	Check	3.7	5.7	94.3	
<a href="#">10/29/13</a>	Transit (incomplete)	Transit	5.2	10.9	89.1	
<a href="#">10/30/13</a>	Transit	Transit	7.9	18.8	81.2	
<a href="#">10/31/13</a>	1	Science	7.2	26	74	
<a href="#">11/01/13</a>	2	Science	7.3	33.3	66.7	
<a href="#">11/04/13</a>	3	Science	6.4	39.7	60.3	
<a href="#">11/05/13</a>	4	Science	7.8	47.5	52.5	